



## APPENDIX A

1. (canceled) An interface between a preconcentrator and a piece of baggage, said interface comprising:
  - (a) a top securing member;
  - (b) a bottom securing member connected to said top securing member and forming a gap therebetween; and
  - (c) a recess having a perimetrical shape that corresponds to the perimetrical shape of the exterior of a preconcentrator, said recess comprising a vent.
2. (canceled) The interface of claim 1 further comprising two clamps, wherein each of said clamps comprises a top lip connected to said top securing member and a bottom lip connected to said bottom securing member, thereby forming a gap therebetween.
3. (canceled) The interface of claim 2 wherein the two clamps are diametrically opposed to one another.
4. (canceled) The interface of claim 2 wherein the gap between said bottom and top lips creates an opening.
5. (canceled) The interface of claim 3 wherein each of said clamps further comprises a lever connected to said top lip, thereby allowing the opening to expand and contract as said lever moves toward and away from the center of the interface, respectively.
6. (canceled) The interface of claim 1 further comprising at least one securing hole within said recess.

7. (canceled) The interface of claim 6 wherein said securing hole is complementary to an electrode of the preconcentrator.
8. (canceled) The interface of claim 1 further comprising a first locking ring.
9. (canceled) The interface of claim 8 further comprising a second locking ring opposite said first locking ring.
10. (canceled) An apparatus that serves as an interface between a preconcentrator and a zipper within a piece of baggage, wherein said zipper comprises two rows of teeth, said apparatus comprising:
  - (a) means for receiving a preconcentrator;
  - (b) means for air to travel through said receiving means;  
and
  - (c) means for gripping a portion of each row of teeth of a zipper within a piece of baggage.
11. (canceled) The apparatus of claim 10 further including means for securing at least one post of said preconcentrator to said apparatus.
12. (canceled) The apparatus of claim 10 further comprising means for securing a lock for said baggage to said apparatus.
13. (canceled) The apparatus of claim 10 wherein said gripping means comprises two clamps, wherein each of said clamps comprises:
  - (i) a bottom lip;

(ii) a top lip creating a gap between said bottom and top lips, wherein said gap comprises an opening; and

(iii) means for enlarging said opening.

14. (canceled) The interface of claim 13 wherein the two clamps are diametrically opposed to one another.

15. (canceled) An interface between a preconcentrator and a piece of baggage, said interface comprising:

(a) a recess having a perimetrical shape that corresponds to the perimetrical shape of the exterior of a preconcentrator, said recess comprising a vent; and

(b) two clamps, wherein each of said clamps comprises a bottom lip and a top lip for gripping a portion of the baggage.

16. (canceled) The interface of claim 15 wherein the two clamps are diametrically opposed to one another.

17. (canceled) The interface of claim 15 wherein the gap between said bottom and top lips creates an opening.

18. (canceled) The interface of claim 15 wherein each of said clamps further comprises a lever connected to said top lip, thereby allowing the opening to expand and contract as said lever moves toward and away from the center of the interface, respectively.

19. (canceled) The interface of claim 15 further comprising at least one securing hole within said recess.

20. (canceled) The interface of claim 19 wherein said securing hole is complementary to an electrode of the preconcentrator.
21. (canceled) The interface of claim 15 further comprising a first locking ring.
22. (canceled) The interface of claim 21 further comprising a second locking ring opposite said first locking ring.
23. (new) An interface for a piece of baggage, said interface comprising:
  - (a) a top securing member comprising at least one top-lip portion; and
  - (b) a bottom securing member comprising at least one bottom-lip portion, said bottom securing member and said top securing member forming a gap therebetween, wherein said gap is greater at one portion between said top and bottom securing members in comparison to said gap between said top and bottom lip portions.
24. (new) The interface of claim 23 further comprising a recess having a perimetrical shape that corresponds to the perimetrical shape of the exterior of a collector.
25. (new) The interface of claim 24 wherein said recess further comprises a vent.
26. (new) The interface of claim 24 further comprising at least one securing hole within said recess.
27. (new) The interface of claim 23 wherein the said top securing member comprises two top-lip portions and said

bottom securing member comprises two bottom-lip portions, wherein each of said top-lip portions vertically align with said bottom-lip portions.

28. (new) The interface of claim 27 wherein one set of top and bottom lip portions are diametrically opposed to another set of top and bottom lip portions.
29. (new) The interface of claim 28 further comprising a lever connected to each of said top-lip portions.
30. (new) An interface for a piece of baggage, said interface comprising:
  - (a) a top securing member;
  - (b) a bottom securing member connected to said top securing member and forming a gap therebetween; and
  - (c) a first locking ring connected to said top securing member.
31. (new) The interface of claim 30 further comprising a second locking ring.
32. (new) The interface of claim 31 wherein said second locking ring is substantially diametrically opposite said first locking ring.
33. (new) The interface of claim 30 further comprising a recess having a perimetrical shape that corresponds to the perimetrical shape of the exterior of a collector.
34. (new) The interface of claim 33 wherein said recess further comprises a vent.

35. (new) An apparatus that serves as an interface between a collector and a zipper within a piece of baggage, wherein said zipper comprises two rows of teeth, said apparatus comprising:
- (a) means for receiving a collector;
  - (b) means for air to travel through said receiving means;  
and
  - (c) means for gripping a portion of each row of teeth of a zipper within a piece of baggage.
36. (new) The apparatus of claim 35 further comprising means for securing a lock to said apparatus.
37. (new) The apparatus of claim 35 wherein said gripping means comprises two clamps, wherein each of said clamps comprises:
- (i) a bottom lip; and
  - (ii) a top lip creating a gap between said bottom and top lips, wherein said gap comprises an opening; and
  - (iii) means for enlarging said opening.
38. (new) The interface of claim 37 wherein the two clamps are diametrically opposed to one another.
39. (new) An interface between a collector and a piece of baggage, said interface comprising:

- (a) a recess having a perimetrical shape that corresponds to the perimetrical shape of the exterior of a collector, said recess comprising a vent; and
  - (b) two clamps, wherein each of said clamps comprises a bottom lip and a top lip for gripping a portion of the baggage.
40. (new) The interface of claim 39 wherein the two clamps are diametrically opposed to one another.
41. (new) The interface of claim 40 wherein the gap between said bottom and top lips creates an opening.
42. (new) The interface of claim 41 wherein each of said clamps further comprises a lever connected to said top lip, thereby allowing the opening to expand and contract as said lever moves toward and away from the center of the interface, respectively.
43. (new) The interface of claim 39 further comprising a first locking ring.
44. (new) The interface of claim 43 further comprising a second locking ring.
45. (new) The interface of claim 44 wherein said second locking ring is substantially diametrically opposite said first locking ring.
46. (new) An interface for a piece of baggage, said interface comprising:
- (a) a top securing member; and

- (b) a bottom securing member connected to said top securing member; and
  - (c) means for moving a portion of said top securing member away from a portion of said bottom securing member.
47. (new) The interface of claim 46 wherein said moving means comprises at least one lever extending from said top securing member.
48. (new) The interface of claim 47 wherein said lever comprises grooves at an end opposite of that connected to said top securing member.
49. (new) The interface of claim 47 wherein said moving means comprises two levers extending from said top securing member.
50. (new) The interface of claim 49 wherein said levers are diametrically opposed from one another.
51. (new) The interface of claim 46 further comprising a recess.
52. (new) The interface of claim 51 wherein said recess further comprises a vent.
53. (new) The interface of claim 51 wherein said recess has a perimetrical shape that corresponds to the perimetrical shape of the exterior of a collector.
54. (new) The interface of claim 53 wherein said recess further comprises a vent.



55. (new) An interface for a piece of baggage, said interface comprising:
- (a) a top securing member; and
  - (b) a bottom securing member connected to said top securing member; and
  - (c) means for creating an opening between a portion of said top securing member and a portion of said bottom securing member.
56. (new) The interface of claim 55 wherein said opening means comprises at least one lever extending from said top securing member.
57. (new) The interface of claim 56 wherein said lever comprises grooves at an end opposite of that connected to said top securing member.
58. (new) The interface of claim 56 wherein said opening means comprises two levers extending from said top securing member.
59. (new) The interface of claim 58 wherein said levers are diametrically opposed from one another.
60. (new) The interface of claim 55 further comprising a recess.
61. (new) The interface of claim 60 wherein said recess further comprises a vent.
62. (new) The interface of claim 60 wherein said recess has a perimetrical shape that corresponds to the perimetrical shape of the exterior of a collector.

63. (new) The interface of claim 62 wherein said recess further comprises a vent.
64. (new) An interface for a piece of baggage, said interface comprising:
- (a) a top securing member; and
  - (b) a bottom securing member connected to said top securing member;
  - (c) a gap between at least a portion of said top and bottom securing members; and
  - (d) means for enlarging a portion of said gap.
65. (new) The interface of claim 64 wherein said enlarging means comprises at least one lever extending from said top securing member.
66. (new) The interface of claim 65 wherein said lever comprises grooves at an end opposite of that connected to said top securing member.
67. (new) The interface of claim 65 wherein said enlarging means comprises two levers extending from said top securing member.
68. (new) The interface of claim 67 wherein said levers are diametrically opposed from one another.
69. (new) The interface of claim 64 further comprising a recess.
70. (new) The interface of claim 69 wherein said recess further comprises a vent.

71. (new) The interface of claim 69 wherein said recess has a perimetrical shape that corresponds to the perimetrical shape of the exterior of a collector.
72. (new) The interface of claim 71 wherein said recess further comprises a vent.
73. (new) An interface for a piece of baggage, said interface comprising:
- (a) a top securing member comprising at least one top-lip portion; and
  - (b) a bottom securing member comprising at least one bottom-lip portion aligned with said top-lip portion, said bottom securing member connected to said top securing member and forming a gap between at least a portion of said top and bottom securing members, wherein said gap is greater at one portion between said top and bottom securing members in comparison to said top and bottom lip portions;
  - (c) at least one lever extending from said top securing member, wherein said lever is substantially aligned with said top and bottom lip portions;
  - (d) a recess in said top securing member; and
  - (e) a vent in said recess.
74. (new) The interface of claim 73 wherein: said at least one top-lip portion comprises two top-lip portions; said at least one bottom-lip portions comprises two-bottom-lip portions; and said at least one lever comprises two levers.